

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 8 (Canceled)

- 9. (Original) A fuel reforming system, comprising:
- a turbocharger having (i) a turbine with a reformate gas inlet, and (ii) a compressor with a pressurized air outlet, and
- a fuel reformer having (i) an air inlet fluidly coupled to the pressurized air outlet of the compressor, and (ii) a reformate gas outlet fluidly coupled to the reformate gas inlet of the turbine.
- 10. (Original) The system of claim 9, wherein the turbocharger has a reformate gas outlet fluidly coupled to an intake of an internal combustion engine.
- 11. (Original) The system of claim 9, wherein the turbocharger has a reformate gas outlet fluidly coupled to an emission abatement device.
- 12. (Original) The system of claim 9, further comprising an electrical generator having an input coupled to an output of the turbine.
- 13. (Original) The system of claim 9, wherein the fuel reformer comprises a plasma fuel reformer.

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- 14. (Original) A fuel reforming system, comprising: an expander having a reformate gas inlet,
- a compressor mechanically coupled to the expander, the compressor having a pressurized air outlet, and
- a fuel reformer having (i) an air inlet fluidly coupled to the pressurized air outlet of the compressor, and (ii) a reformate gas outlet fluidly coupled to the reformate gas inlet of the expander.
- 15. (Original) The system of claim 14, wherein the expander has a reformate gas outlet fluidly coupled to an intake of an internal combustion engine.
- 16. (Original) The system of claim 14, wherein the expander has a reformate gas outlet fluidly coupled to an emission abatement device.
- 17. (Original) The system of claim 14, further comprising an electrical generator having an input mechanically coupled to an output of the expander.
- 18. (Original) The system of claim 14, wherein the fuel reformer comprises a plasma fuel reformer.
- 19. (Original) The system of claim 14, wherein the expander is selected from a group consisting of a turbine, a piston-type expander, a screw-type expander, a scroll-type expander, and a positive displacement novel geometry expander.